

A Lightning observation network in Kansai using VHF and LF broadband digital interferometers

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We have been designing and developing VHF and LF broadband digital interferometers (DITFs) that detect electromagnetic (EM) waves associated with cloud-to-ground and intracloud discharges, and locate the EM wave sources. We have been building up a lightning observation network consisting of VHF and LF DITFs around Osaka. The observation network covers the areas from Kobe to Nara. In this presentation we compare and discuss the observation results located by the observation network.

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